

EXPLANATION OF UNITS

Intrusive Rocks

- Mesozoic
- Mafic dike.** Reddish-brown weathering, black basaltic dikes.
  - Trachyte dike.** Feldspar-bearing dikes are dark gray, weather chocolate-brown. Nepheline-bearing dikes are bluish gray, weather pale brown. Associated with the Rattlesnake Mountain igneous complex in neighboring Raymond quadrangle to the east.
- Carboniferous
- Rocks of the Sebago pluton**
- Cbg** **Biotite granite.** Medium-grained biotite granite with or without accessory muscovite, locally subporphyritic. Frequently associated with or gradational into pegmatitic stringers, segregations, and dikes. Associated with metasedimentary xenoliths and septa. Fine-grained variant interpreted as marginal facies.
  - Cbg+m** - zones with extensive metasedimentary rock xenoliths.
  - Cpg** **Pegmatite.** Biotite-muscovite granite pegmatite generally free of metasedimentary inclusions and occurring as irregularly shaped bodies.
  - Cg** **Two-mica granite.** Medium-grained equigranular, biotite-muscovite granite, white to pale pink, generally lacking metasedimentary inclusions. Locally pegmatitic. Demonstrably younger than biotite granite. Best developed in southwestern portion of quadrangle.
  - Cg+pa** - zones of extensive aplite intrusion about small aplite bodies.
  - Cgg** **Gray two-mica granite.** Fine-grained homogeneous, gray biotite-muscovite granite. Interpreted as marginal facies of Sebago granite.
  - Cpa** **Aplite.** Garnet-muscovite granitic aplite and associated garnet-muscovite granite pegmatite. Outcrops heterogeneous with gradational (cm-scale) contacts between aplite and pegmatite.

Stratified Rocks

- Ordovician or Silurian (?)
- SOm** **Migmatite.** Metasedimentary lithologies intimately injected lit-par-lit by coarse-grained granite and pegmatite.
- Metasedimentary rocks occurring chiefly as xenoliths and septa within granitic rocks, in particular biotite granite and pegmatite.
- SOgl** **Biotite-quartz feldspar granofels.**
  - SOp** **Schist and metawacke.**
  - SOcs** **Calc-silicate rocks** (including layered granofels and skarn assemblages).

EXPLANATION OF SYMBOLS

- Foliation - inclined, vertical.
- Joint - inclined, vertical.
- Outcrops without structural data.
- Symbols representing inclined planar features are annotated with dip angles.
- Contact. All contacts are solid where approximately placed, dashed where inferred, dotted where concealed, and queried where uncertain.

Bedrock Geology of the Naples Quadrangle, Maine

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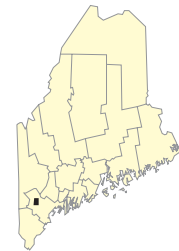


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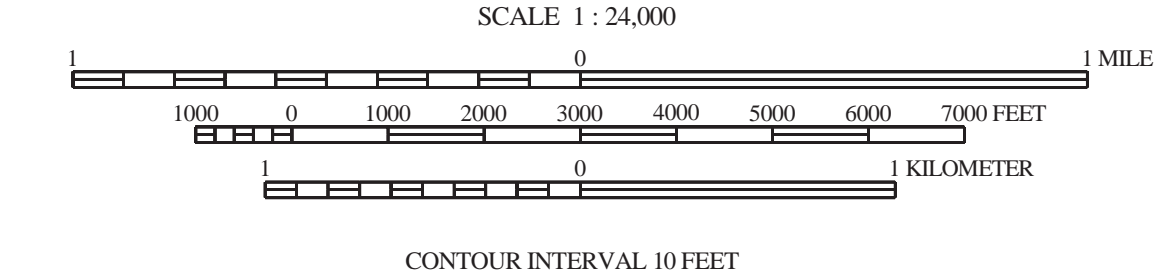
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Quadrangle Location



SOURCES OF INFORMATION

Bedrock mapping by John W. Creasy completed during the 1994 field season.

Topographic base from U.S. Geological Survey Naples quadrangle, scale 1:24,000 using standard U.S. Geological Survey topographic map symbols.

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